

Dredge No 12



MADE IN



CANADA

THE CANADIAN LINE

THIS BOOK IS

SERIES No. 1230

SIZE 12¼ x 10 INCHES

MADE IN THE FOLLOWING RULINGS

2 COLUMNS TO RIGHT

3	"	"
4	"	"
5	"	"
6	"	"
7	"	"
8	"	"
10	"	"
12	"	"
14	"	"
16	"	"
18	"	"
20	"	"

FEINT
QUADRILLE

BLANK BOOKS and LOOSE LEAF DEVICES

MANUFACTURED TO YOUR ORDER

YEI For a duplicate
of this ask for No. 14H0-44-150

CLARKE & STUART CO. LTD.

STATIONERS, PRINTERS, BOOKBINDERS
550 Seymour Street VANCOUVER, B. C.

Thaw W/O

$$\text{Block No. 3} - \frac{400 \times 160 \times 12.1}{27}$$

$$= 28681 \text{ Cu. Yds.}$$

Strip W/O

$$259 - 260$$

$$\times 260 - 261$$

$$261 - 262$$

$$262 - 263$$

$$263 - 264$$

$$264 - 265$$

$$265 - 266$$

$$= 7952 \text{ Cu. Yds.}$$

$$= 13252$$

$$= 12748$$

$$= 16548$$

$$= 17933$$

$$= 18107$$

$$= 9274$$

Total

$$= 95814$$

Less: 13252 Cu. Yds. removed off in excavation

$$= 82562$$

Dredge No 12

June 1963

Started parking ice May 30 - 10:00 PM
 Started dredging June 1 - 8:00 AM

Dredge operated 30 days - 28 days for depth.

Avg 590 hrs. 30 min - 24.60 days = 82.01 %

Avg 129 - 30 - 5.40 = 17.99 %

Avg Wet Bank = 2.6 ft.

Depth = 10.7

Total = 13.3

(2.8) Time in F.G. = 14.0 days
 = 46.67 % Elapsed time
 = 56.90 % Running

$$\text{Surface} - \frac{1881}{1393} \frac{2365}{1881} = \frac{488}{484}$$

$$486 \times 17.67 = 8587 \quad \frac{5}{4} \times 46$$

$$\text{Bedrock} - \frac{2800}{2350} \frac{3207}{2800} = \frac{447}{447}$$

$$446 \times 17.67 = 7881$$

$$\frac{16468}{1}$$

$$\text{Avg Area} = 8234$$

$$\frac{2744.7}{8234} \times 13.3 = 36504 \text{ Cu. Yds.}$$

$$\frac{36504}{30} = 1217 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{36504}{24.60} = 1484 \quad \text{running}$$

Pond Elev - 1873.9

Claims dredged - 92 B.L.D.

Surface area - 1.77 Acres

Avg Width - 140 ft

Length - 500 -

$$\begin{array}{r} 8587 \\ 9 \\ \hline 77283 \end{array} \quad \begin{array}{r} 7881 \\ 9 \\ \hline 70929 \end{array} \quad \begin{array}{r} 8234 \\ 9 \\ \hline 74106 \end{array}$$

thaw W/O

$$\text{Block \#3} - \frac{(205 \times 135 + 135 \times 60) \times 12.1}{17.1} = 16032 \text{ Cu. Yds}$$

$$\text{Block \#5} - \frac{200 \times 450 \times 14.0}{14.0} = 46667$$

$$\text{Total} = 62699$$

Strip W/O

$$\text{X2 263-264} = 8892 \text{ Cu. Yds}$$

$$264-265 = 14607$$

$$265-266 = 12222$$

$$266-267 = 14133$$

$$267-268 = 16607$$

$$268-269 = 18344$$

$$269-270 = 9363$$

$$\text{Total} = 94168$$

$$\text{Less } 27381 \text{ C.Ys. written off in bank in error (X2 264-266)} = 66787$$

Dredge No 12

July 1963

Dredge operated 31 days - 30 days for depth

dug 638 hr. 0 min - 26.58 days - 8575 70

lost 106 ✓ 0 - 4.42 - 14.25 70

Hgt of Bank - 1.4 ft. ✓

Depth below - 10.0 - (3.6)

Total - 11.4 - ✓

Time in F.G. = 3.48 days

= 11.22 70

$$\text{Surface} - \frac{0330}{9573} \quad \frac{1084}{0330} \quad 756 \times 17.67 = 13359 \text{ Sq Yds.}$$

$$\text{Bedrock} - \frac{1795}{1084} \quad \frac{1795}{706} \quad 709 \times 17.67 = 12528$$

$$\frac{12528}{12944} = 12944$$

$$12944 \times \frac{3.8}{5} = 49187 \text{ Cu Yds.}$$

$$\frac{49187}{31} = 1587 \text{ Cu Yds. per day elapsed time}$$

$$\frac{49187}{26.58} = 1851 \text{ running}$$

Pond Elev - 1864.6
 Claims dredged - 92-93 B.L.D.
 Surface area - 2.76 Acres
 Avg width - 205 Ft.
 Length - 630 -

$$\begin{array}{r} 13359 \\ 9 \\ \hline 120231 \end{array} \quad \begin{array}{r} 12528 \\ 9 \\ \hline 112752 \end{array} \quad \begin{array}{r} 12944 \\ 9 \\ \hline 116496 \end{array}$$

Thaw W/O

$$\text{Block \#5} - \begin{array}{r} 5290 \\ 5280 \\ \hline 10 \end{array} \quad \begin{array}{r} 5699 \\ 5490 \\ \hline 209 \end{array}$$

14.0

$$210 \times 12.67 \times 14.0 = 17304 \text{ Cu. Yds.}$$

$$\checkmark \text{ \#7} - \begin{array}{r} 6610 \\ 6466 \\ \hline 144 \end{array} \quad \begin{array}{r} 6953 \\ 6610 \\ \hline 343 \end{array}$$

14.0

$$344 \times 12.67 \times 14.0 = 28364 \checkmark$$

$$\text{Total} = 45668 \checkmark$$

Strip W/O

$$X? 268-269 -$$

$$= 12193 \text{ Cu. Yds.}$$

$$269-270$$

$$= 33889 \checkmark$$

$$270-271$$

$$= 39604 \checkmark$$

$$271-272$$

$$= 26826 \checkmark$$

$$272-273$$

$$= 8922 \checkmark$$

$$\text{Total} = 121434 \checkmark$$

Dredge No: 12

August 1963

Dredge operated 31 days

 $\checkmark$ dug 683 hrs. 35 min = 78.48 days = 91.88%
 $\checkmark$ lost 60 " 25 " = 2.52 " = 8.12%

Avg Hgt Bank = 3.4 Ft.

Depth = 9.1 " Time in F.G. = 9.5 days

Total = 12.5 " (3.6) = 30.78% $\checkmark$

$$\text{Surface} - \begin{array}{r} 5065 \\ 4452 \\ \hline 613 \end{array} \quad \begin{array}{r} 5683 \\ 5065 \\ \hline 618 \end{array} \quad 616 \times 17.67 = 10885 \quad 59 \frac{7}{16}$$

$$\text{Bedrock} - \begin{array}{r} 6270 \\ 5680 \\ \hline 590 \end{array} \quad \begin{array}{r} 6866 \\ 6270 \\ \hline 596 \end{array} \quad 593 \times 17.67 = 10478 \quad \checkmark$$

$$\text{Avg Area} = \frac{10885 + 10478}{2} = 10682 \quad \checkmark$$

$$10682 \times \frac{4.17}{3} = 14544 \text{ Cu. Yds}$$

$$\frac{14544}{31} = 1437 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{14544}{78.48} = 1564 \quad \checkmark \quad \text{running} \quad \checkmark$$

Pond Elev. - 1875.2
 Claims dredged - 93.94 S20
 Surface area - 2.25 Acres
 Avg width - 180 Ft.
 Length - 590 -

$$\begin{array}{r} 10885 \\ 9 \\ \hline 97965 \end{array} \quad \begin{array}{r} 10478 \\ 9 \\ \hline 94302 \end{array} \quad \begin{array}{r} 10682 \\ 9 \\ \hline 96138 \end{array}$$

Thaw W/O

$$\text{Block \#1} - 400 \times 105 \times 14.0$$

$$= 40000 \text{ Cu. Yds}$$

$$\text{Block \#3} - \left(\begin{array}{r} 23100 \\ 39300 \\ 16200 \end{array} \right) \times 12.1$$

$$= 17612$$

$$\text{Total} = 58056$$

Strip W/O

$$\times 2 \text{ 262-263}$$

$$= 6948 \text{ Cu. Yds}$$

$$263 - 264$$

$$= 6948$$

$$264 - 265$$

$$= 15488$$

$$265 - 266$$

$$= 29711$$

$$266 - 267$$

$$= 28767$$

$$267 - 268$$

$$= 26200$$

$$268 - 269$$

$$= 11659$$

$$\text{Total} = 125724$$

Dredge No 12

September 1963

Dredge operated 30 days

dug 159 hrs. 15 min = 27.47 days = 91.56 ²⁰/₁₀₀
 100 ft 60 - 41 = 2.13 = 8.44 ²⁰/₁₀₀
 Avg Mpt Bant = 2.4 ft.
 Depth = 10.8
 Total = 13.2 ✓ (3.8) FG = 19 hrs 30 min

Surface - $\frac{6255}{5519} \frac{6995}{6255} \frac{738 \times 17.69}{740} = 13040 \frac{5}{8} \text{ yds.}$

Bedrock - $\frac{7730}{6994} \frac{8467}{7730} \frac{737 \times 17.69}{737} = 13022$
 Avg Area = $\frac{2606}{13031}$ ✓

$\frac{13031 \times 4.4}{3} = 57336 \text{ Cu. Yds.}$

$\frac{57336}{30} = 1911 \text{ Cu. Yds. per day elapsed time}$

$\frac{57336}{27.47} = 2087$ - running -

Pond Elev. - 1875.6
 Claims dredged - 92-93 BLD
 Surface Area - 2.69 Acres
 Avg width - 190 ft.
 Length - 620 -

Riding Tails

$\frac{9609}{9474} \frac{9885}{9707} \frac{135}{134}$

$135 \times 15905 = 21471 \frac{5}{8} \text{ ft.}$

$\frac{13040}{9} \quad \frac{13022}{9} \quad \frac{13031}{9}$
 117360 117198 117279 less 21471 $\frac{5}{8}$ ft. = 95808

Thaw W/O

$$\text{Block \#1} - 220 \times 160 \times \frac{10.0}{10.0} = 13037 \text{ Cu Yds.}$$

$$\text{Block \#3} - 170 \times 470 \times \frac{12.1}{12.1} = 35807$$

$$\text{Total} = 48844$$

Strip W/OJune
W/O

$$258 - 259 = 6422$$

$$= 6422$$

$$259 - 260 = 22233 - 7952 = 14281$$

$$= 14281$$

$$260 - 261 = 28237 - 13252 = 14985$$

$$= 14985$$

$$261 - 262 = 16251$$

$$= 16251$$

$$262 - 263 = 7211$$

$$= 7211$$

$$263 - 264 = 7300$$

$$= 7300$$

$$264 - 265 = 3915$$

$$= 3915$$

$$91569 - 21204 = 70365$$

Dredge No 12

October 1963
Shutdown Oct 31 - 8:00 AM

Dredge operated 30 days

dug 656 hrs. 30 min = 27.35 days = 91.18⁷⁰
 lost 63 " 30 " = 2.65 " = 8.82⁷⁰
 Avg Net Bant = 1.8 ft.
 Depth = 9.9 (3.8) F.G. - 1 Hr.
 Total = 11.7

Surface

$$\begin{array}{r}
 3307 \\
 - 2581 \\
 \hline
 726
 \end{array}
 \quad
 \begin{array}{r}
 4055 \\
 - 3333 \\
 \hline
 722
 \end{array}$$

$$724 \times 17.67 = 12793 \text{ Sq. Yds.}$$

Bedrock

$$\begin{array}{r}
 4756 \\
 - 4097 \\
 \hline
 709
 \end{array}
 \quad
 \begin{array}{r}
 5487 \\
 - 4774 \\
 \hline
 713
 \end{array}$$

$$711 \times 17.67 = 12563$$

$$125356$$

$$\text{Avg Area} = 12678$$

$$12678 \times \frac{3.9}{11.7} = 49444 \text{ Cu. Yds.}$$

$$\frac{49444}{30} = 1648 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{49444}{27.35} = 1808$$

- running -

Pond Elev - 1868.5
 Claims dredged - 91.92 BLD
 Surface Area - 2.64 Acres.
 Avg width - 170 ft.
 Length - 700.

$$\begin{array}{r}
 12793 \\
 9 \\
 \hline
 115137
 \end{array}
 \quad
 \begin{array}{r}
 12563 \\
 9 \\
 \hline
 113067
 \end{array}
 \quad
 \begin{array}{r}
 12678 \\
 9 \\
 \hline
 114102
 \end{array}$$

Thaw W/O

$$\text{Block N}^{\circ} 3 - \frac{170 \times 40 \times 12.1}{12.1} = 3047 \text{ Cu. Yds.}$$

$$\checkmark - \frac{290 \times 180 \times 14.0}{14.0} = 27066 \quad \checkmark$$

$$\checkmark - \frac{90 \times 30 \times 10.3}{10.3} = 3318 \quad \checkmark$$

$$\text{Total} = 33431 \quad \checkmark$$

Strip W/O

$$\text{X}^{\circ} 264-265 - \frac{1}{10} \text{ Remainder} = 2626 \text{ Cu. Yds.}$$

$$265-266 - \frac{1}{2} \quad \checkmark = 11085 \quad \checkmark$$

$$266-267 - \frac{1}{3} \quad \checkmark = 7106 \quad \checkmark$$

$$267-268 - \frac{1}{3} \quad \checkmark = 7195 \quad \checkmark$$

$$\text{Total} = 28012 \quad \checkmark$$

Dredge No 12

June 1964
Started June 12 - 10:00 AM

Dredge operated 19 days

Aug 4-6 hrs. 10 min = 17.76 days = 93.46 %

lost 29 - 50 - = 1.74 - = 6.54 %

Avg Hgt Bank = 0.9 ft.

Depth = 11.41 (4.2) 2.92 days in F.G.

Total = 12.3 -

$$\text{Surface} - \frac{5090}{4747} \quad \frac{5246}{5086} \quad \frac{5812}{5617} \quad 357 \times 17.67 = 6308 \text{ Sq. Yds.}$$

$$\text{Bedrock} - \frac{6524}{6188} \quad \frac{6883}{6521} \quad \frac{7221}{6883} \quad 352 \times 17.67 = 6220$$

$$\text{Avg Area} = 6264$$

$$6264 \times \frac{12.3}{3} = 2568 \text{ Cu. Yds.}$$

$$\frac{2568}{19} = 135 \text{ Cu Yds per day elapsed time}$$

$$\frac{2568}{17.76} = 1446 \text{ - running -}$$

Pond 12 lex. - 1860.2
Claims dredged - 93 BLD Dam.
Surface area - 1.30 Acres ✓
Avg width Cent - 175 Ft.
Length - 310 ✓

$$\begin{array}{r} 6308 \\ 9 \\ \hline 56772 \end{array} \quad \begin{array}{r} 6220 \\ 9 \\ \hline 55980 \end{array} \quad \begin{array}{r} 6264 \\ 9 \\ \hline 56376 \end{array}$$

Thaw W/O

Block #7 - $\frac{3098}{2679} \frac{3518}{3098} \frac{4.3}{3} = 31910 \text{ CuYds.}$
 12.9 $\frac{419}{420}$

- #5 - $\frac{220 \times 220 \times 10.0}{27} - \text{Remainder} = 17907$ ✓
 14.0

- #6 - $\frac{215 \times 215 \times 10.3}{27} = 2050$ ✓

Total = 51867 ✓

Strip W/O

#2 268-269 Planimetered 4093 Cu.Yds.

269-270 ✓ 10130 ✓

270-271 ✓ 12337 ✓

271-272 ✓ 18548 ✓

272-273 ✓ 12248 ✓

Total = 57356

Dredge No 12

July 1964

Dredge operated 31 days - 30 days for depth

✓ Avg 65 hrs. 15 min = 27.18 days = 87.67 $\frac{70}{100}$
 ✓ lost 91 - 45 = 3.82 = 12.33 $\frac{70}{100}$

Avg Hgt Bank - 1.9 Ft.

Depth - 10.5 -

Total - 12.4 ✓

(4.3)

F.G. = 1.77 days

Surface - $\frac{8860}{8208} \frac{9510}{8860}$ $\frac{651}{650}$ $651 \times 17.67 = 11503$ Sq. Yds.

Bedrock - $\frac{0154}{9516} \frac{0798}{0150} \frac{1441}{0798}$ $\frac{648}{643}$ $646 \times 17.67 = 11415$ -
 $2 \times 11415 = 22830$

Avg Area = 11459 ✓

$11459 \times \frac{4.13}{12.4} = 47326$ Cu. Yds.

$\frac{47326}{31} = 1527$ Cu. Yds. per day elapsed time

$\frac{47326}{27.18} = 1741$

Pond Elev - 1868.9
 Claims dredged - 93-94 BLD Dam
 Surface area - 2.17 Acres 2.36
 Avg width - 190 Ft.
 Length - 570 ✓

$\frac{11503}{9} \frac{11415}{9} \frac{11459}{9}$
 $103527 \quad 102735 \quad 103131$

Thaw W/O

Block #7 12.9	-	$\frac{7365}{7010}$ 355	$\frac{7730}{7365}$ 365	$360 \times 767 \times \frac{4.3}{3}$	=	27352 Cu Yds
#9 19.8	-	$\frac{420 \times 180 \times 19.8}{7}$			=	55000 ✓
Total =					82792 ✓	

Strip W/O

#2 272-273	-	Planimeter	=	10659 Cu Yds.
273-274	✓		=	21848 -
274-275	✓		=	20709 -
275-276	✓		=	19729 ✓
276-277	✓		=	19804 -
277-278	✓		=	22496 -
278-279	✓		=	28385 -
279-280	✓		=	15577 -
Total			=	159297 ✓

Dredge No 12

August 1964

Dredge operated 31 days

✓ dug 676 hrs. 30 min = 28.19 days = 90.93 %

✓ lost 67 - 30 - 2.81 - = 9.07 %

Avg Wet Bank - 2.7 Ft.

- Depth - 12.2 ✓

Total - 14.9 ✓

(1.4) Time in E.G. 4.5 days

$$\begin{array}{r} \text{Surfaces} - \begin{array}{r} 93.78 \\ 86.33 \\ \hline 74.5 \end{array} \quad \begin{array}{r} 0.139 \\ 93.78 \\ \hline 96.1 \end{array} \quad \begin{array}{r} 0.890 \\ 0.139 \\ \hline 7.51 \end{array} \end{array}$$

$$748 \times 17.67 = 13217 \text{ Sq. Yds.}$$

$$\begin{array}{r} \text{Bedrock} - \begin{array}{r} 1600 \\ 0889 \\ \hline 711 \end{array} \quad \begin{array}{r} 2309 \\ 1600 \\ \hline 709 \end{array} \end{array}$$

$$710 \times 17.67 = 12545 -$$

$$2125762 -$$

$$\text{Avg Area} = 12881 -$$

$$12881 \times \frac{4.97}{3} = 64018 \text{ Cu. Yds.}$$

$$\frac{64018}{31} = 2065 \text{ Cu. Yds. per day dredged time}$$

$$\frac{64018}{28.19} = 2270 \quad \text{running} -$$

Pond Box 1863.9

Claims dredged 94-gr BLD

Surface area - 2.73 Acres ✓

Avg width - 180 Ft.

- Length - 650 ✓

$$\begin{array}{r} 13217 \\ 9 \\ \hline 118953 \end{array}$$

$$\begin{array}{r} 12545 \\ 9 \\ \hline 112905 \end{array}$$

$$\begin{array}{r} 12881 \\ 9 \\ \hline 115929 \end{array}$$

Thaw W/O

Block #9 - Remainder less $300 \times 25 \times 19.8$ = 102160 Cu Yds.
 $\frac{19.8}{107660} \quad \frac{5500}{27}$

#11 - $\frac{460 \times 25 \times 13.3}{27}$ = 26624 ✓
 $\frac{13.3}{27}$

#10 - $200 \times 20 \times 11.3$ = 1674 ✓
 $\frac{11.3}{27}$

#7 - $120 \times 135 \times 12.9$ = 7740 ✓
 $\frac{12.9}{27}$

#8 - $120 \times 125 \times 10.3$ = 2517 ✓
 $\frac{10.3}{27}$

Total = 140715 ✓

Strip W/O

X² 274-275 - Planimeter = 11748 Cu Yds.

275-276 - ' = 10807 -

276-277 - ' = 9244 -

277-278 - ' = 10274 -

278-279 - ' = 11129 -

279-280 - ' = 25174 -

280-281 - ' = 35804 -

281-282 - ' = 55930 ✓

273-274 - ' = 15740 -

Total = 135850 ✓

Dredge No 12

September 1964

Dredge operated 30 days

✓ dug 647 hrs. 40 min = 26.99 days = 89.95 yds
 ✓ lost 72 ✓ 20 ✓ = 3.01 ✓ = 10.05 yds

Avg Hgt Bank = 2.1 ft.

✓ Depth = 11.5 ✓

Total = 13.6 ✓

(3.7) Time in EG = 0.60 days

$$\begin{array}{r} \text{Surface} - \begin{array}{r} 5487 \\ 4562 \\ \hline 925 \end{array} \quad \begin{array}{r} 6400 \\ 5487 \\ \hline 913 \end{array} \end{array}$$

$$919 \times 17.67 = 16238$$

sq yds

$$\begin{array}{r} \text{Bedrock} - \begin{array}{r} 7290 \\ 6394 \\ \hline 896 \end{array} \quad \begin{array}{r} 8190 \\ 7290 \\ \hline 900 \end{array} \end{array}$$

$$898 \times 17.67 = 15868$$

$$\sqrt{32106}$$

$$\text{Avg Area} = 16053$$

5351

$$16053 \times 13.6 = 72774 \text{ Cu Yds.}$$

$$\frac{72774}{30} = 2426 \text{ Cu Yds per day elapsed time}$$

$$\frac{72774}{2699} = 2696 \text{ running}$$

Pond Elev

Claims dredged - 94-95-96 BLD

Surface area - 3.35 Acres

Avg width - 160 ft.

Length - 940 -

$$\begin{array}{r} 16238 \\ 9 \\ \hline \end{array}$$

$$146142$$

$$\begin{array}{r} 15868 \\ 9 \\ \hline \end{array}$$

$$142812$$

$$\begin{array}{r} 16053 \\ 9 \\ \hline \end{array}$$

$$144477$$

Tham w/o

Block # 8	-	$380 \times \frac{170}{17} \times 10.3$	=	24643	Cu. Yds
- # 6	-	$500 \times 170 \times 10.3$	=	22888	-
- # 4	-	$220 \times 170 \times 10.8$	=	10628	-
				Total	= 58179

Strip w/o

X 263 - 264	-	$\frac{1}{3}$ Remainder	=	4909	Cu. Yds
264 - 265	-	$\frac{1}{3}$	=	7876	-
265 - 266	-	$\frac{1}{3}$	=	3698	-
266 - 267	-	$\frac{1}{3}$	=	4737	-
267 - 268	-	$\frac{1}{3}$	=	4796	-
268 - 269	-	$\frac{1}{3}$	=	6084	-
269 - 270	-	$\frac{1}{4}$	=	3739	-
270 - 271	-	$\frac{1}{4}$	=	2166	-
271 - 272	-	$\frac{1}{4}$	=	4394	-
272 - 273	-	$\frac{1}{3}$	=	6870	-
273 - 274	-	$\frac{1}{3}$	=	9085	-
				Total	= 58354

Dredge No 12

October 1964
Shut down Oct 31 - 8:00 PM.

Dredge operated 30 days

✓ dug 63 hrs. 45 min = 26.36 days = 87.88%

✓ lost 87 = 15 = 3.64 = 12.12%

Avg Net Bank = 1.0 ft

Depth = 8.4

Total = 9.4

(4.3) Time in FG - wherever in

$$\text{Surface} - \frac{3303}{901} \quad \frac{4204}{901}$$

$$901 \times 17.67 = 15920 \text{ Sq Yds}$$

$$\text{Bedrock} - \frac{5102}{901} \quad \frac{5998}{896}$$

$$896 \times 17.67 = 15885$$

$$31805$$

$$\text{Avg Area} = 15903$$

$$\frac{15903 \times 9.4}{3} = 49776 \text{ Cu Yds}$$

$$\frac{49776}{30} = 1659 \text{ Cu Yds per day elapsed time}$$

$$\frac{49776}{26.36} = 1888 \text{ running}$$

Road Elev

Claims dredged - 92-93-94 BLD

Surface area - 3.29 Acres

Avg width - 140 ft

Length - 1100

$$\begin{array}{r} 15920 \\ 9 \\ \hline 143280 \end{array} \quad \begin{array}{r} 15885 \\ 9 \\ \hline 142965 \end{array} \quad \begin{array}{r} 15903 \\ 9 \\ \hline 143127 \end{array}$$

Thaw W/O

Block #1 - Remainder = 24511 Cu Yds

H 2 - ✓ = 14022 -

H 3 - ✓ = 17700 -

$$\begin{array}{r} \text{H 4} - \\ 10.8 \end{array} \quad \frac{270 \times 70 \times 10.8}{27} = \underline{7560} \quad \checkmark$$

Total = 63797 ✓

Strip W/O

X² 257-258 - Remainder = 970 Cu Yds

258-259 - ✓ = 3293 -

259-260 - ✓ = 9716 -

260-261 - $\frac{1}{2}$ ✓ = 4785 -261-262 - $\frac{1}{2}$ ✓ = 2538 ✓262-263 - $\frac{1}{2}$ ✓ = 8144 ✓Total = 79446 ✓

Dredge No 12

June 1965
started 2nd - 4:00 PM.

Dredge operated 29 days

- dug 6.0 hrs. 25 min = 5.85 days = 89.14 70

- lost 75 - 35 - = 3.15 - = 10.86 70

Avg Nat Bank = 2.0 Ft.

- Depth = 7.7

Total = 9.7

(5.4) F.G. - 79 Hrs.

$$\text{Surface} - \frac{4816}{4211} \quad \frac{5424}{4816}$$

$$607 \times 17.67 = 10725 \quad \text{Sq Yds}$$

$$\text{Bedrock} - \frac{6025}{5426} \quad \frac{6626}{6025}$$

$$600 \times 17.67 = \frac{10602}{21327}$$

$$\text{Avg Area} = 10663$$

$$10663 \times \frac{3.23}{9.7} = 34441 \quad \text{Cu Yds}$$

$$\frac{34441}{29} = 1188 \quad \text{Cu Yds per day elapsed time}$$

$$\frac{34441}{25.85} = 1332 \quad \text{running}$$

Claims dredged - 91-92 BLK
 Surface area - 2.22 Acres
 Avg width - 125 Ft.
 length - 820

$$\begin{array}{r} 10725 \\ 9 \\ \hline 96525 \end{array} \quad \begin{array}{r} 10602 \\ 9 \\ \hline 95418 \end{array} \quad \begin{array}{r} 10663 \\ 9 \\ \hline 95967 \end{array}$$

Thaw W/O

Block # 1 - Remainder = 0
 # 13 - $\frac{200 \times 140 \times 10.3}{27} = \frac{54509}{54509} \text{ C.Y.}$

Thaw W/O

Block # 4 - Remainder = 34366 C.Y.
 # 6 - $\frac{230 \times 180 \times 10.3}{27} = \frac{15793}{50159} \text{ C.Y.}$
 Total = 50159

Strip W/O

# 260-261 - Remainder	= 4785 C.Y.
261-262 -	= 2530 -
262-263 -	= 8145 -
263-264 -	= 9818 ✓
264-265 -	= 15762 -
265-266 -	= 7388 -
266-267 -	= <u>9475</u> -
Total	= 57903 ✓

Dredge No. 12

July 1965

Dredge operated 31 days

✓ dug 66 hrs. 10 min = 27.59 days = 89.00 %
 - lost 81 - 50 - - 3.41 - - 11:00 %
 Avg Hat Bank - 1.0 ft.
 Depth - 9.2 ✓
 Total - 10.2 ✓

(4.1) No Frost

$$\begin{array}{r} \text{Surface} - \frac{3906}{2877} \\ \hline 1029 \end{array}$$

$$\frac{4931}{3906} \\ \hline 1029$$

$$1029 \times 17.67 = 18182.5 \text{ yds}$$

$$\begin{array}{r} \text{Bedrock} - \frac{5960}{4950} \\ \hline 1010 \end{array}$$

$$\frac{6960}{5960} \\ \hline 1000$$

$$1005 \times 17.67 = 17758$$

$$\sqrt{35940}$$

$$\text{Avg Area} = 17970$$

$$17970 \times \frac{3.4}{10.2} = 61098 \text{ Cu. Yds.}$$

$$\frac{61098}{31} = 1971 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{61098}{27.59} = 2214 \text{ - running -}$$

Claims dredged - 91-92-93 RLD
 Surface area - 3.76 Acres
 Avg width - 210 Ft.
 Length - 770'

$$\begin{array}{r} 18182 \\ 9 \\ \hline 163638 \end{array}$$

$$\begin{array}{r} 17758 \\ 9 \\ \hline 159822 \end{array}$$

$$\begin{array}{r} 17970 \\ 9 \\ \hline 161730 \end{array}$$

Thaw w/o

Block #6 -	³²⁴⁸⁶ Remainder minus ⁷⁰⁹⁶ $115 \times 110 \times 10.3$	= 25390 Cu.Yds.
- #8 -	$505 \times 115 \times 10.3$	= 29860 ✓
- #10 -	$165 \times 60 \times 11.3$	= 4143 ✓
	<u>Total</u>	= 59393 ✓

Strip w/o

267-268 -	Remainder	= 9594 Cu.Yds.
268-269 -	✓	= 12168 ✓
269-270 -	$3/4$ ✓	= 6726 ✓
270-271 -	$3/4$ ✓	= 3300 ✓
271-272 -	$3/4$ ✓	= 7911 ✓
272-273 -	$1/2$ ✓	= 6841 ✓
273-274 -	$1/2$ ✓	= 9086 ✓
274-275 -	$1/2$ ✓	= 7038 ✓
275-276 -	$1/2$ ✓	= 6402 ✓
	<u>Total</u>	= 69066 ✓

Dredge No. 12

August 1965

Dredge operated 31 days

- dug 701 hrs. 15 min = 29.22 days = 94.22 ft.
 - lost 42 - 45 = 1.78 = 5.22 ft.

Avg Wet Bank - 1.8 ft.

- Depth - 7.9 - (4.4) FG. - 2.1
 Total - 9.7

$$\text{Surface} - \frac{4604}{3711} \frac{5496}{4604} \\ \frac{893}{893} \checkmark \quad \frac{892}{892} \checkmark$$

$$892 \times 17.67 = 15779 \text{ Sq. Yds.} \checkmark$$

$$\text{Bedrock} - \frac{6393}{5500} \frac{7283}{6393} \\ \frac{893}{893} \checkmark \quad \frac{890}{890} \checkmark$$

$$892 \times 17.67 = 15761 \checkmark$$

$$\checkmark \quad \frac{31550}{31550}$$

$$\text{Avg Area} = 15775 \checkmark$$

$$15775 \times 9.7 \overset{3.23}{=} 50953 \text{ Cu Yds.} \checkmark$$

$$\frac{50953}{31} = 1644 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{50953}{29.22} = 1744 \text{ - running -}$$

Claims dredged - 93-94-95-96-97
 Surface area - 3.26 Acres
 Avg width - 160 ft.
 Length - 950

$$\begin{array}{r} 15779 \\ 9 \\ \hline 142011 \end{array} \quad \begin{array}{r} 15761 \\ 9 \\ \hline 141849 \end{array} \quad \begin{array}{r} 15775 \\ 9 \\ \hline 141975 \end{array}$$

Thaw W/O

Block #6 - Remainder

= 7096 CuYds.

✓ #8 - ✓

= 19276 -

✓ #10 - 1/3 -

= 22476 -

✓ #7 - Remainder

= 20375 -

Total = 69223 ✓ -

Strip W/OXⁿ 269-270 - Remainder = 4482 CuYds

270-271 - ✓ = 2200 ✓

271-272 - ✓ = 5273 ✓

272-273 - ✓ = 6841 ✓

273-274 - ✓ = 9085 -

274-275 - ✓ = 7037 -

275-276 - ✓ = 6402 -

276-277 - ✓ = 12372 -

Total = 53692 ✓ -

Dredge No 12 - Final Ydge - September 1942
 Shut down Oct 15 8:00 A.M.
 started to dig shell

Dredge operated 30 days
 dug 627 hrs. 0 min = 26.13 days = 87.08 Tons
 lost 93 - 0 = 3.87 = 12.92 Tons
 Avg Wt of Bank - 1.1 Ft.
 Depth - 9.4' (4.8) F.B. - Nil
 Total - 10.5' ✓

Surface - $\frac{3346}{2446} \frac{4249}{3346}$ $902 \times 17.67 = 15938$ Sq. Yds. ✓

Bottom - $\frac{5128}{4230} \frac{6047}{5128} \frac{6952}{6047}$ $902 \times 17.67 = 15938$ -
 Avg Area = 15938 ✓

$15938 \times \frac{3.5}{10.5} = 55783$ Cu. Yds. ✓

$\frac{55783}{30} = 1859$ Cu. Yds. per day elapsed time ✓

$\frac{55783}{26.13} = 2135$ - running ✓

Claims dredged - 93-94-95 SLD
 Surface area - 3.29 Acres ✓
 Avg Width - 150 Ft.
 Length - 970 -

$\frac{15938}{9}$
 143442 ✓

Dr N^o 12 - Strip W/O. Aug 1964

X ⁿ	Plan Reading N.9	End Area	Area	End	Curds
272		0			37037
273	9579 9140 379	9870 0232 9519 9870 36x 5756 351 362	2878	10659	
274	1381 1003 378	1762 1381 381	380x 6042	5899	21848
275	0570 0241 325	0894 0570 324	325x 5168	5605	20759
276	0820 0477	1166 0820	345x 5486	5327	19729
277	3544 343 3861 346 4187 3212 3144 3861 332 317 326	329x 5231	5358	19844	
278	5700 5765	6134 5700	435x 6917	6074	22496
279	6703 43 57227 6170 6703 434 533 524	529x 8411	7664	28385	
280		0	4206	15577	
Total				159297	

Sept 1964

X ⁿ 273		0			
274	3020 3224 2822 3020 198 194	195x N.9 3100	1550	5740	
275	3752 3952 3141 3752	204x 3244	3172	11748	
276	4416 4578 200 4253 4416 163 162	163x 2592	2918	10807	
277	4747 4896 4595 4747 152 149	151x 2400	2496	9244	
278	5288 5486 5090 5288 198 198	198x 3148	2774	10274	
279	5732 5910 5549 5732 183 178	180x 2862	3005	11129	
280	6419 7088 5737 6419 682 669	675x 10732	6797	25174	
281	5612 6147 5065 5612 547 535	541x 8602	9667	35804	
282		0	4301	15930	
Total				135850	

Driller - Strip W/O

X ² N ²	Plan. Reading N.9	End Area	Avg End Area	Cum. Ws. 3.7037
258		0		
259	$\begin{array}{r} 7550 \\ 7320 \\ \hline 230 \end{array}$	$\begin{array}{r} 7765 \\ 7220 \\ \hline 545 \end{array}$	$\begin{array}{r} 7986 \\ 7745 \\ \hline 241 \end{array}$	$\begin{array}{r} 1734 \\ 6003 \\ \hline 22233 \end{array}$
260	$\begin{array}{r} 0888 \\ 0326 \\ \hline 532 \end{array}$	$\begin{array}{r} 1431 \\ 0888 \\ \hline 543 \end{array}$	537x -	8538
261	$\begin{array}{r} 4011 \\ 3590 \\ \hline 421 \end{array}$	$\begin{array}{r} 4433 \\ 4015 \\ \hline 418 \end{array}$	422x -	6709
262	$\begin{array}{r} 4732 \\ 4600 \\ \hline 132 \end{array}$	$\begin{array}{r} 4854 \\ 4732 \\ \hline 122 \end{array}$	130x -	2067
263	$\begin{array}{r} 6200 \\ 6080 \\ \hline 120 \end{array}$	$\begin{array}{r} 6310 \\ 6200 \\ \hline 110 \end{array}$	115x ✓	1828
264	$\begin{array}{r} 5720 \\ 5588 \\ \hline 132 \end{array}$	$\begin{array}{r} 5854 \\ 5720 \\ \hline 134 \end{array}$	133x ✓	2114
265		0		
Jan W/O X ² 259-261				$\begin{array}{r} 91569 \\ - 21204 \\ \hline 70365 \end{array}$

July 1964

~~267~~				
268			0	
269	$\begin{array}{r} 0623 \\ 0418 \\ \hline 105 \end{array}$	$\begin{array}{r} 0760 \\ 0623 \\ \hline 137 \end{array}$	0900	139x 15.9
270	$\begin{array}{r} 1320 \\ 1116 \\ \hline 204 \end{array}$	$\begin{array}{r} 1521 \\ 1320 \\ \hline 201 \end{array}$	205 ✓	3260
271	$\begin{array}{r} 9324 \\ 9112 \\ \hline 212 \end{array}$	$\begin{array}{r} 9539 \\ 9324 \\ \hline 215 \end{array}$	214 -	3402
272	$\begin{array}{r} 5012 \\ 4599 \\ \hline 413 \end{array}$	$\begin{array}{r} 5430 \\ 5012 \\ \hline 418 \end{array}$	416 -	6614
273			0	
				$\begin{array}{r} 1105 \\ 2735 \\ 3331 \\ 5008 \\ 3307 \\ \hline 57356 \end{array}$

Dr. H. V. Stripping W/o - July 1963

X th No	Planimeter Readings - N. 9		End	Area	Cur. 1/10
			Area	End	Fac. = 100/57 = 3.7037
263			0		
264	5640 5340 300	5600 5640 304	307 x N. 9	4802	2401 8892
265	6610 6020 190	6808 6610 198	194 x	3085	3944 14607
266	7090 6867 223	7310 7090 220	221 x	3514	3300 12222
267	8522 8264 258	8782 8522 260	259 x	4118	3816 14133
268	9972 9672 300	0284 9972 309	305 x	4850	4484 16607
269	2810 2490 320	3122 2810 312	318 x	5056	4913 18344
270			0		2528 9363
				Total	94168
Less 27381 C.Y. written off in June in error					27381.
Aug 1963					66787.

268			0		
269	4122 3710 412	4543 4122 421	4958 414 x N. 9	6583	3292 12193
270	6258 5515 738	6984 6258 726	737 x -	11718	9150 33889
271	7208 6626 582	7818 7208 610	608 x ✓	9667	10693 39604
272	7014 6728 286	7318 7014 304	303 x ✓	4818	7243 26826
273			0		2409 8922
				Total	121434

Sept. 1963

269			0		0
268	9713 9319 394	0110 9713 397	396 x N. 9	6296	3148 11659
267	0676 0183 493	1683 1188 495	494 x -	7854	7075 26204
266	2748 2265 483	3230 2748 482	483 x -	7680	7767 28767
265	2980 2424 556	3505 2980 525	526 x ✓	8363	8022 29711
264			0		4182 15488
263	5083 4852 231	5083 4852 231	236 -	3752	1876 6948
262			0		1876 6948
					125725



Library and Archives
Canada

395 Wellington Street
Ottawa, ON K1A 0N4

Bibliothèque et Archives
Canada

395, rue Wellington
Ottawa, ON K1A 0N4

For material still subject to legislative, contractual or institutional obligations, users warrant that they will respect those obligations and not use LAC collections in a manner that would infringe the rights of others. Liability that may arise in the use of a copy is assumed in full by the user. LAC accepts no responsibility for unauthorized use of collection material by users.

To ensure proper citation and to facilitate relocation of an item, the source of the material and its reference number should always accompany the copy.

Pour les documents faisant encore l'objet d'obligations législatives, contractuelles ou institutionnelles, les usagers s'engagent à respecter ces obligations et à ne pas utiliser les documents des collections de BAC de façon à nuire aux droits d'autrui. Ils doivent assumer entièrement toute responsabilité qui pourrait découler de l'utilisation d'une reproduction de document. BAC décline toute responsabilité quant à l'utilisation non autorisée de documents provenant de ses collections.

Afin de citer un document avec exactitude et d'en faciliter le repérage, sa source et son numéro de référence doivent toujours accompagner la reproduction.

TITLE/TITRE _____
RG _____ MG ²⁸ _____ R- _____ SERIES/SÉRIE ^{III 43} _____
ACCESSION _____ VOL ¹⁶⁰ _____ PAGE(S) ³⁵ _____
BOX/BOÎTE _____ REEL/BOBINE _____
FILE/DOSSIER ^{DREDGE NO.12} _____
DATE ^{FEBRUARY 2015} _____